

REMARKS

Applicants appreciate the indication of allowable subject matter in the present application. Applicants have cancelled claims 84-85 and 89. Without admission to the propriety of the prior art rejections, Applicants have attempted to place the application in condition for allowance as set forth below and action to that end is respectfully requested.

Claims 83-84, 86-88 and 98-99 stand rejected under 35 USC 103(a) for obviousness over U.S. Patent No. 5,552,790 to Gunnarsson in view of U.S. Patent No. 5,448,110 to Tuttle et al. Claim 92 stands rejected under 35 USC 103(a) for obviousness over Gunnarsson in view of Tuttle and U.S. Patent No. 5,859,587 to Alicot et al. Claims 90, 93, and 100 stand rejected under 35 USC 103(a) for obviousness over Gunnarsson in view of Tuttle, U.S. Patent No. 5,826,328 to Brady et al., and U.S. Patent No. 5,252,783 to Baird.

Applicants respectfully traverse the rejections and urge allowance of the pending claims.

Claim 83 has been amended to include the limitations of previously pending claims 84-85 and claim 85 was indicated in the Office Action to recite allowable subject matter. Applicants respectfully request allowance of claim 83 in the next Action.

The claims which depend from independent claim 83 are in condition for allowance for the reasons discussed above with respect to the independent claim as well as for their own respective features which are neither shown nor suggested by the cited art.

Claim 88 has been amended to include the limitations of previously pending claim 89 which was indicated in the Office Action to recite allowable subject matter. Applicants respectfully request allowance of claim 88 in the next Action.

The claims which depend from independent claim 88 are in condition for allowance for the reasons discussed above with respect to the independent claim as well as for their own respective features which are neither shown nor suggested by the cited art.

Applicant thanks the Examiner for conducting the telephone interview with the undersigned and Applicant understands all references but application 08/806,158 submitted by Applicant will be initialed as submitted, or for some of the applications cited by Applicant, the actual resulting respective issued patents will be initialed. Applicant submits herewith a courtesy copy of U.S. application 08/806,158. There is no corresponding issued patent for this application. The Examiner indicated to the undersigned during the interview that he was not planning to initial the '158 application. However, as mentioned during the interview, Applicant respectfully submits that the '158 application has a filing date which predates the priority date of the present application and was properly cited by Applicant in an IDS which was properly filed in accordance with MPEP 609 (8th ed., rev. 3) and 37 CFR §§ 1.97-98. MPEP 609 states that an IDS filed in accordance with the CFR will be considered by the Examiner assigned to the application. In accordance with the above, Applicant respectfully requests initialization of the '158 application. In the event that the '158 application is not believed to be proper for initialing,


the undersigned respectfully requests a telephone call at 509-624-4276 and citation of authority which states that the '158 application need not be considered.

Applicants respectfully request allowance of all pending claims.

The Examiner is requested to phone the undersigned if the Examiner believes such would facilitate prosecution of the present application. The undersigned is available for telephone consultation at any time during normal business hours (Pacific Time Zone).

Respectfully submitted,

Dated: 4/6/06

By: 
James D. Shaurette
Reg. No. 39,833

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Sheet 1 of 2

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
MI40-337

SERIAL NO.
Filed Herewith

NOV 03 2003

LIST OF ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT
Mark E. Tuttle

FILING DATE
Filed Herewith

GROUP
UNKNOWN 2632

U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
ML	AA	5,400,039	03/95	Araki et al.	343	700-700MS	
ML	AB	5,649,296	07/97	MacLellan et al.	455	39	
ML	AC	5,621,412	4/97	Sharpe et al.	342 340	10.33	
ML	AD	4,926,182	5/90	Ohta et al.	342	44	
BL	AE	4,075,632	2/78	Baldwin et al.	342 342	51	
ML	AF	5,410,749	4/95	Siwiak et al.	455	280	
ML	AG	5,442,367	8/95	Naito et al.	343	700 MS	
ML	AH	5,392,049	2/95	Gunnarsson	342	42	
	AI	5,939,984	8/99	Brady et al.	340	572.1	
ML	AJ	5,061,943	10/91	Rammes	343	770	
	AK	68,914,365		Dante (Abandoned)			

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL							
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	AN							
	AO							
	AP							

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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

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Technology Center 2000

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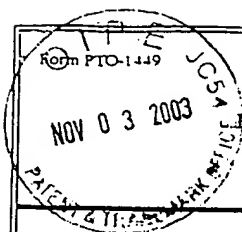
DATE CONSIDERED

1/22/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Sheet 2 of 2



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PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
MI 40-337

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LIST OF ART CITED BY APPLICANT

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APPLICANT
Mark E. Tuttle

FILING DATE
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GROUP
Unknown 2632

U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
AA	6,092,495	01/02	Tuttle	340	572.7	
AB	6,133,836	10/00	Smith	340	572.7	
BL	AC	4,709,201	11/87	Schaefer et al.	320	112
ML	AD	5,138,651	08/92	Sudo	340	572.7
ML	AE	5,151,946	09/92	Martensson	340	572.7
ML	AF	5,170,173	12/92	Krenz et al.	343	702
ML	AG	5,642,103	6/97	Tokuda et al.	340	572.7
ML	AH	4,857,393	8/89	Carroll	340	572.7
	AI	6,118,379	9/00	Kochigaja et al.	340	572.8
ML	AJ	5,649,295	7/97	Shober et al.	340	572.7
	AK	6,333,613	2/00	Smith		
	AL	6,333,613	2/00	Smith		

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation
					Yes No
AM					
AN					
AO					
AP					


OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

AR	"Antennas" 2nd Edition, John D. Kraus, McGraw-Hill, Inc. 1988
AS	
AT	

EXAMINER

DATE CONSIDERED

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Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			ATTY. DOCKET NO. MI40-337		SERIAL NO. 09/988,485	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)					APPLICANT Mark E. Tuttle			
					FILING DATE November 20, 2001		GROUP 2632	
U.S. PATENT DOCUMENTS								
*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate		
DL	AA	5,988,510	11/23/1999	Tuttle et al.				
DL	AB	6,130,602	10/10/2000	O'Toole et al.				
	AC	S/N: 08/806,158	Tuttle			2/25/1997		
	AD							
	AE							
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FOREIGN PATENT DOCUMENTS								
	Document Number	Date	Country	Class	Subclass	Translation		
						Yes	No	
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)								
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EXAMINER 				DATE CONSIDERED 11/19/06				
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